PROF. ANIBAL GARCIA

SM-A307F/FN

Samsung A30s

sheet01 : GSM / WCDMA / LTE RF

sheet02 : TRANCEIVER, DRX

sheet03 : SENSORS, DMB, CONNECTIVITY

sheet04 : LASSEN O +

sheet05 : PMIC(Main,IF), KEY, MOTOR, eMMC, Fingerprint

sheet06 : AUDIO, SD/SIM, SUB FPCB CON

sheet07 : CAMERA, DISPLAY

ترددات الشبكه

2G : EGSM / DCS / PCS / GSM850

3G : B1 / 2 / 4 / 5 / 8

FDD LTE : B1 / 2 / 3 / 4 / 8 / 12(17) / 13 / 20 / 26(5/18/19) / 28

(PCS) Perfect Computer System

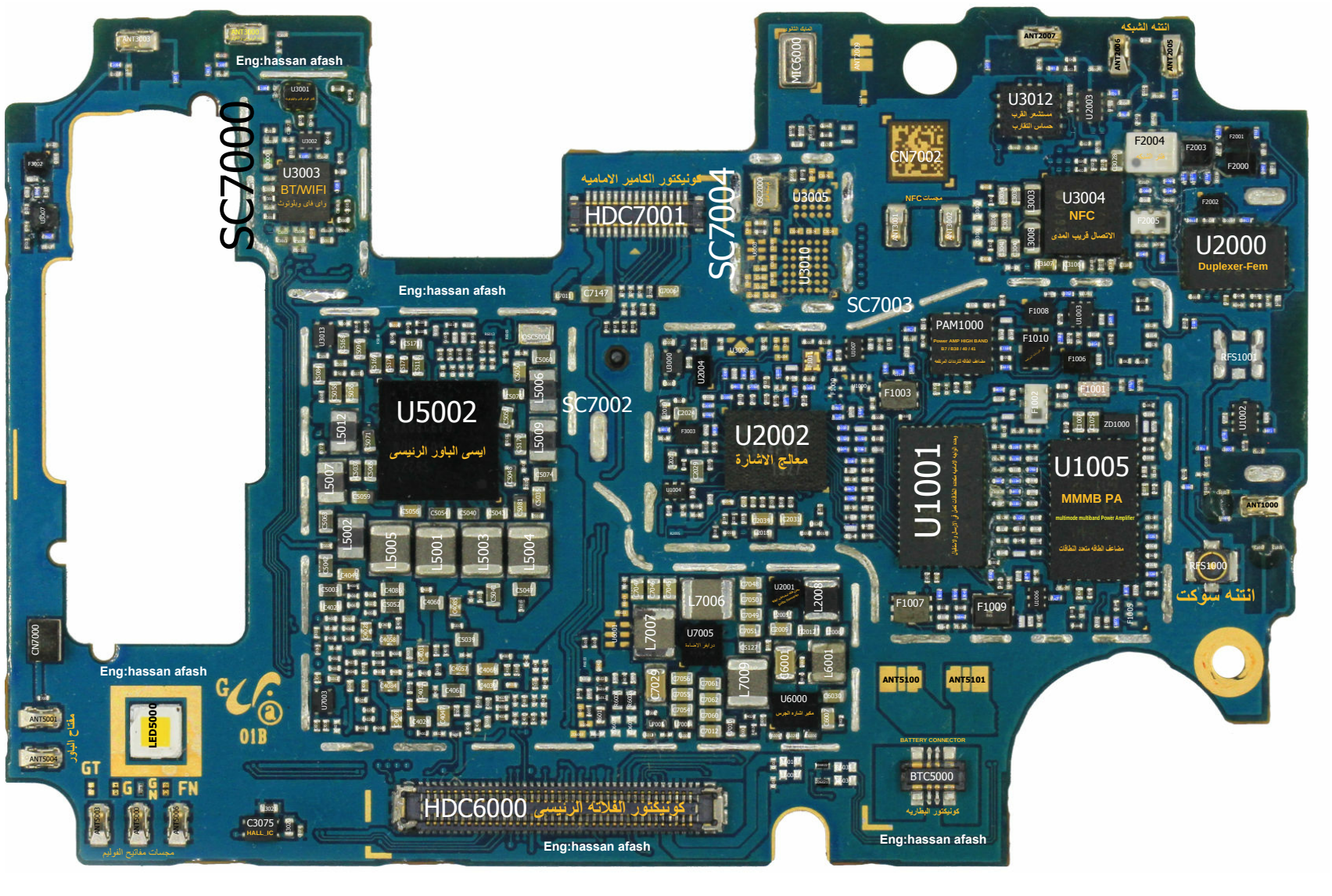
(DCS) distributed control system

A30

Samsung A30s

Schematic Diagram

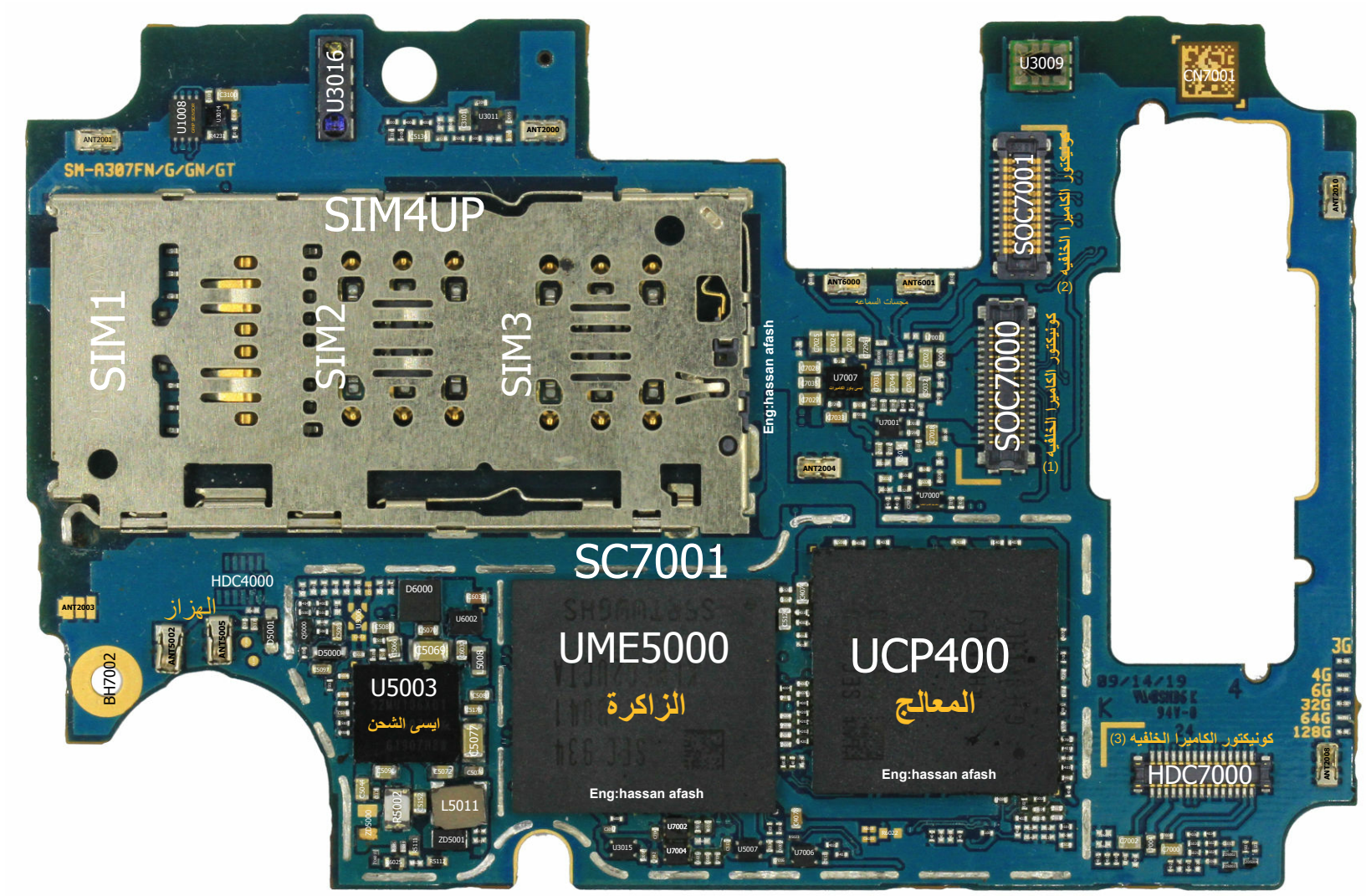
SM-A307F/FN



Samsung A30s

Schematic Diagram

SM-A307F/FN



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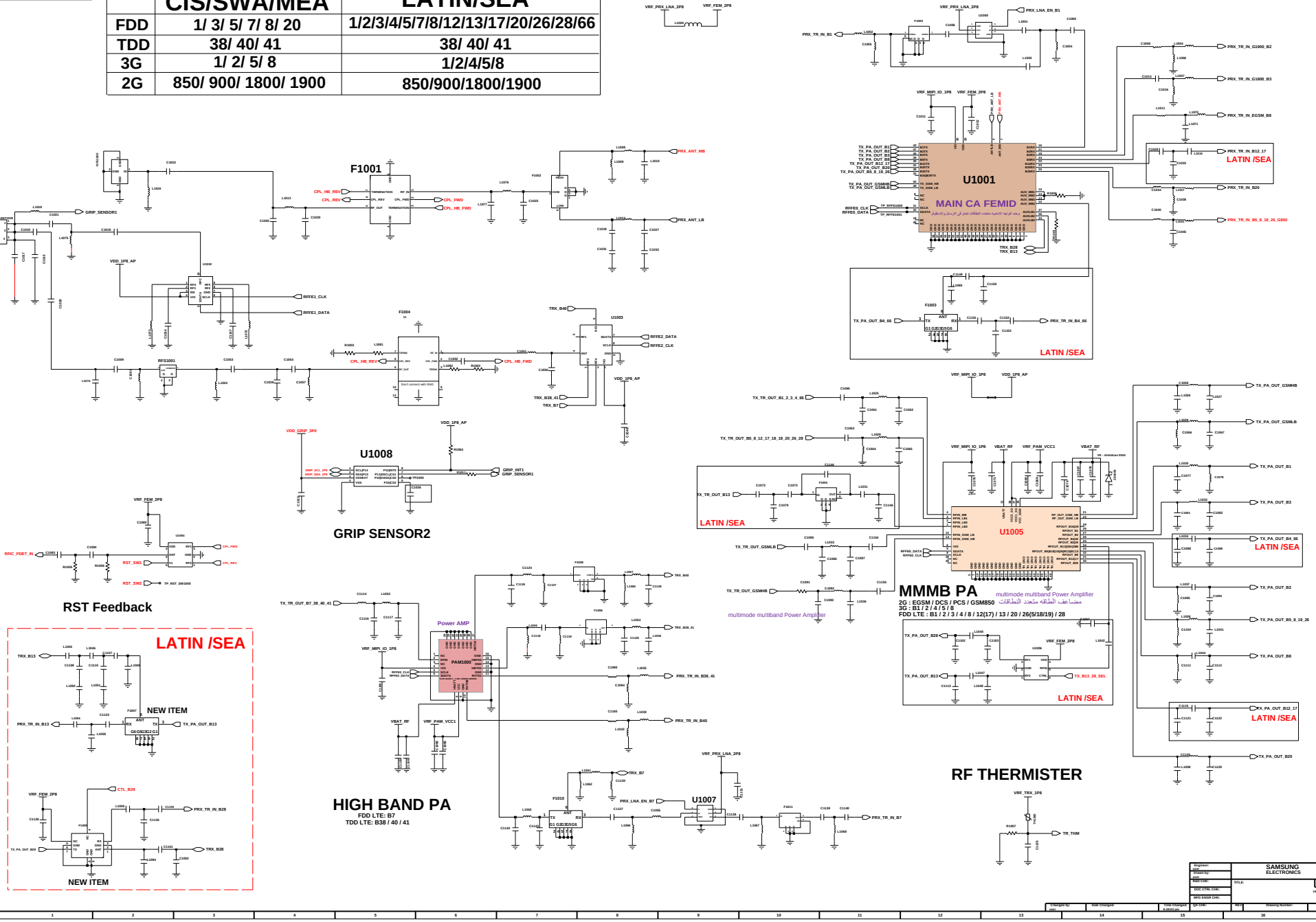
	CIS/SWA/MEA	LATIN/SEA
FDD	1/ 3/ 5/ 7/ 8/ 20	1/2/3/4/5/7/8/12/13/17/20/26/28/66
TDD	38/ 40/ 41	38/ 40/ 41
3G	1/ 2/ 5/ 8	1/2/4/5/8
2G	850/ 900/ 1800/ 1900	850/900/1800/1900



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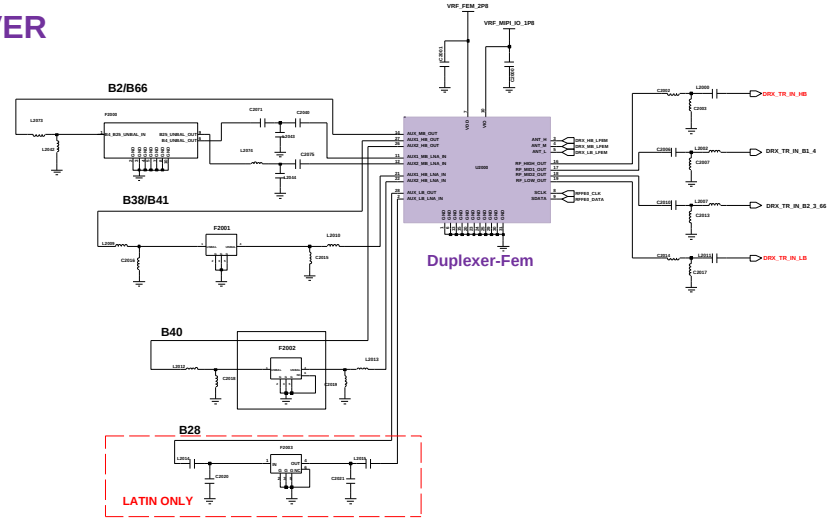
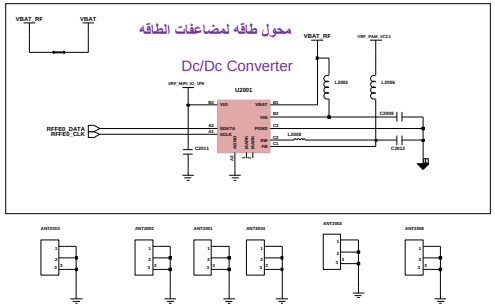
DIVERSITY RECEIVER

DRX

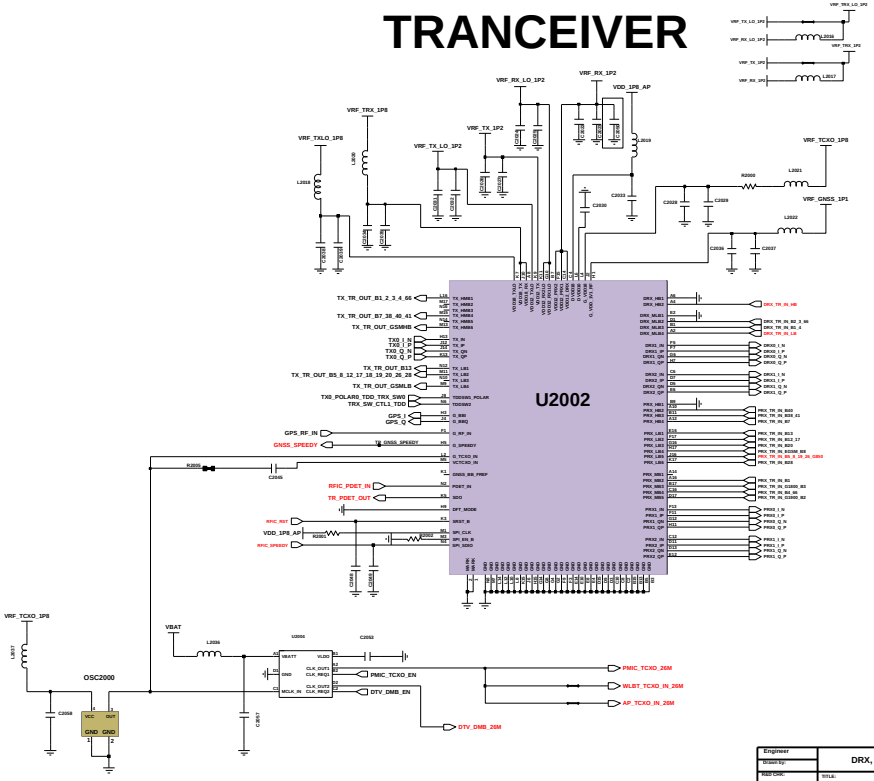


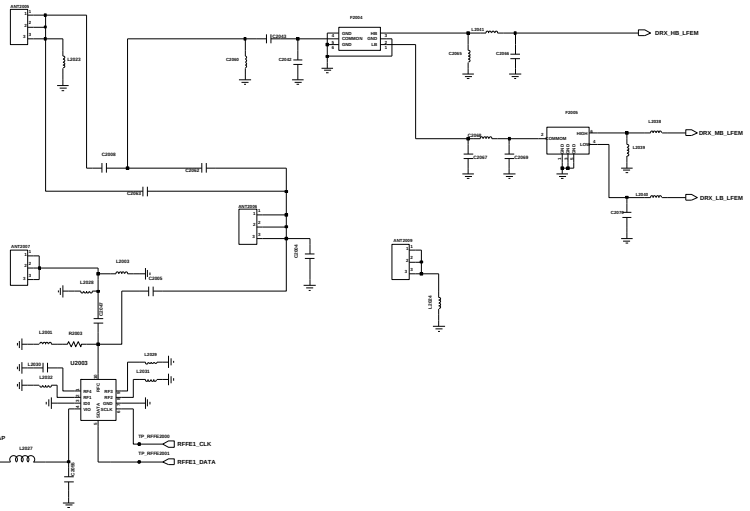
APT MODULATOR



GND

TRANCEIVER





Engineer	DRX, TRANCEIVER
Model No.	
RED CHK.	TITLE:
DOC CTRL CHK.	
MFG ENGR CHK.	
QA CHK.	Drawing Number

Changed by | Date Changed | Time Changed

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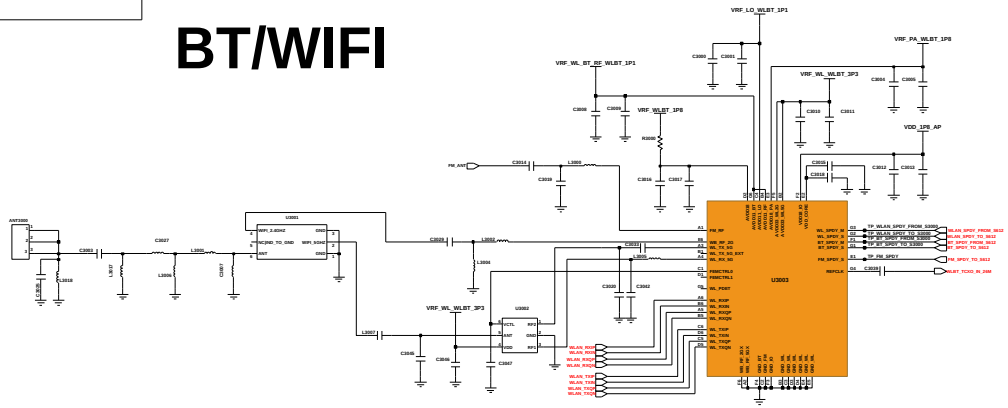
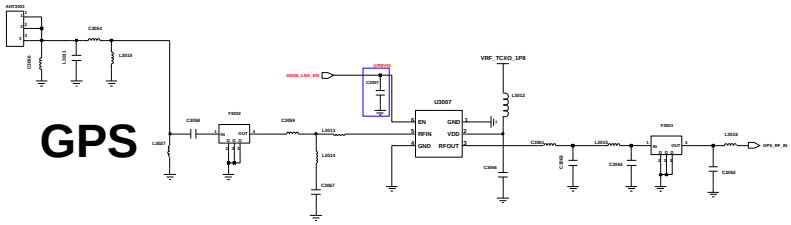
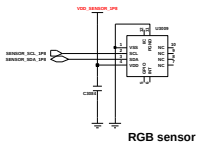
BT/WIFI



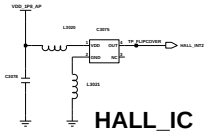
GPS



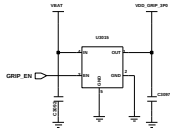
SENSORS



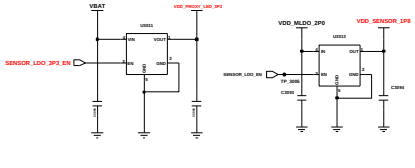
RGB sensor



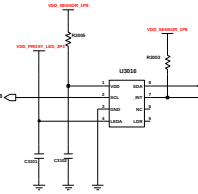
HALL_IC



Grip Sensor

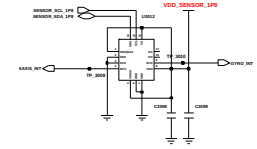


SENSOR LDO

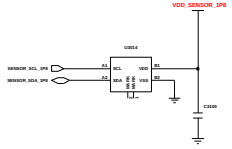


Proximity Sensor مستشعر القرب

Proxi Sensor



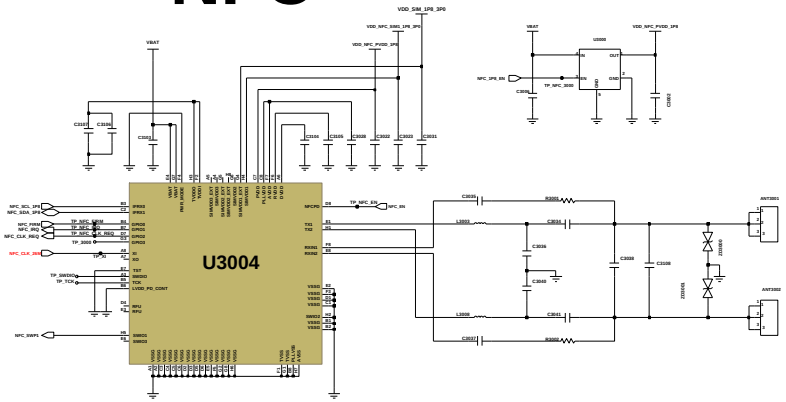
6 AXIS(ACC+GRYO)



MAGNETIC

Near field communication

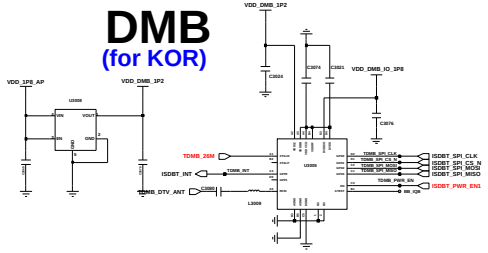
NFC



NFC	NFC PART	Power supply of SIM1		NFC GPIO 14	
	U3004	R5030	R5031	R4012	R4013
NFC	CONNECT	short	open	10K ohm	open
nonNFC	NC	open	short	open	10K ohm

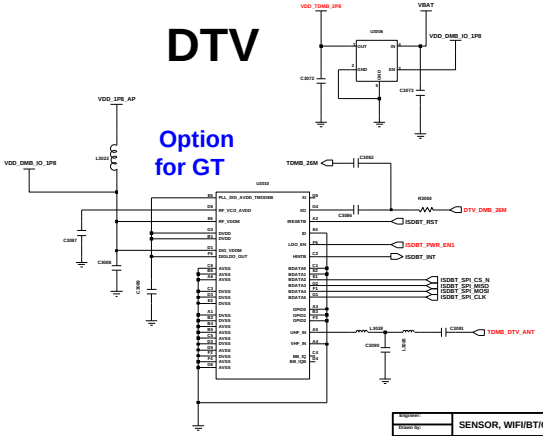
DMB

(for KOR)



DTV

Option for GT



	SENSOR, WIFI/BT/GPS/NFC

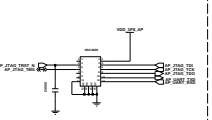
PROF. ANIBAL GARCIA

EXYNOS7904 (Lassen-O Plus)

المعالج

POP LP4 3G : SEC

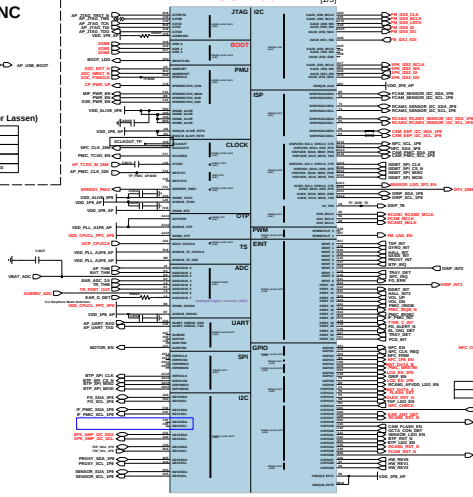
AP JTAG BOM NC



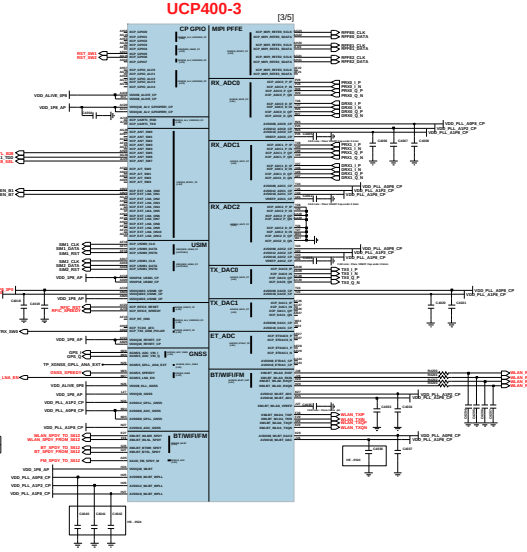
BOOT option (need to update for Lassen)

ONE[10]	1st	2nd
000	eMMC	USB
001	USB	
010	SD CARD	USB
011	eMMC	SD CARD

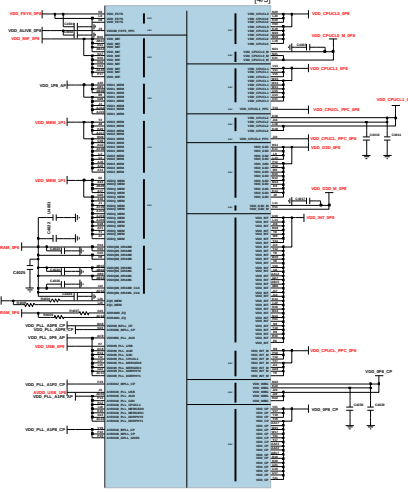
UCP400-1



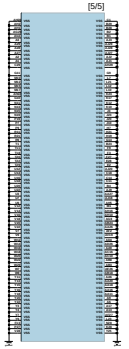
UCP400-3

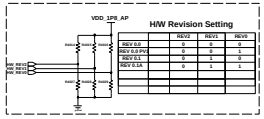


UCP400-4



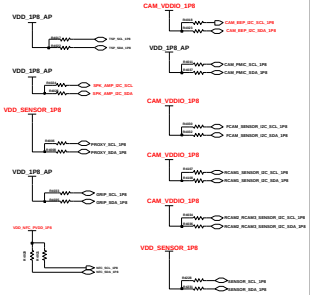
UCP400-5



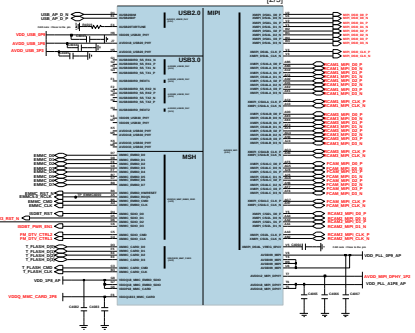


I2C Pull-up Register

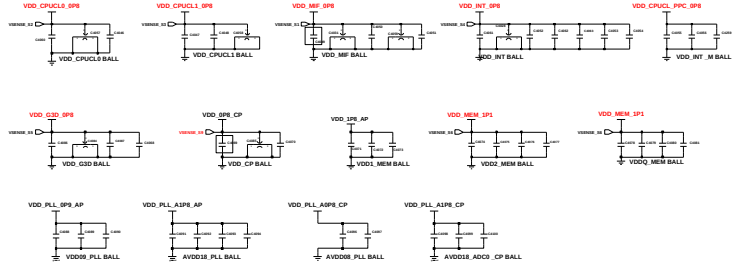
مقاومات الجذب لاعلى لبروتوكول I2C



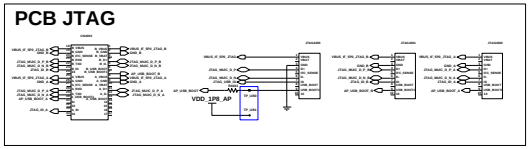
UCP400-2



AP Decap



PCB JTAG



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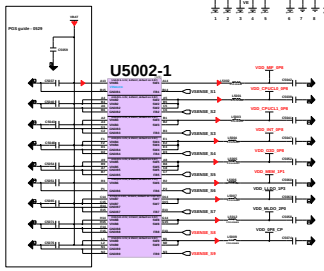
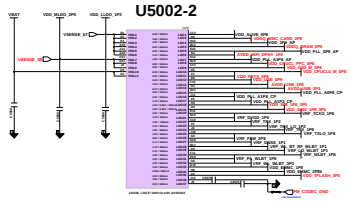
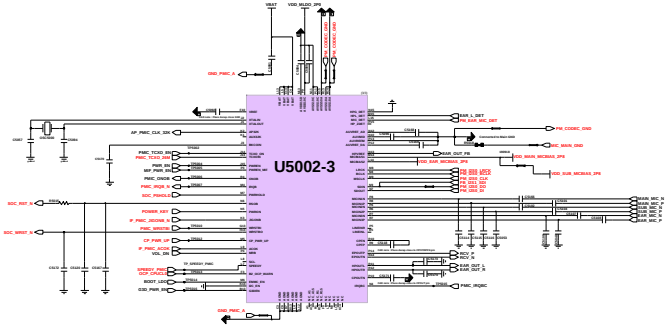
MAIN_PMIC

ايسى الباور الرئيسى

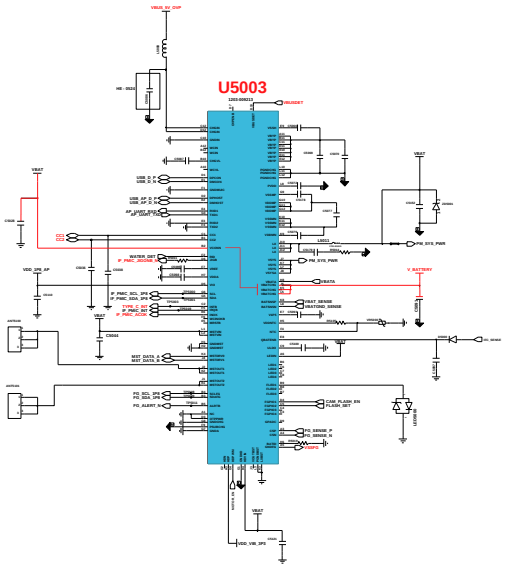






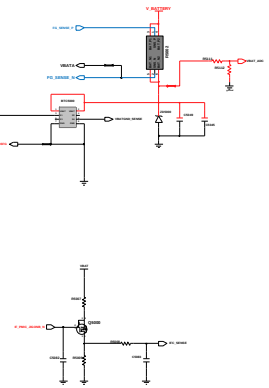
IF_PMIC

ايسى الشحن

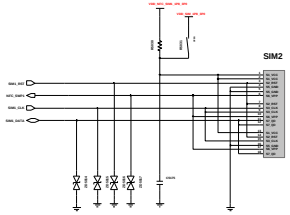


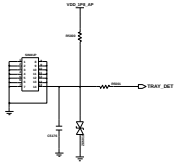
كونيكتور البطاريه

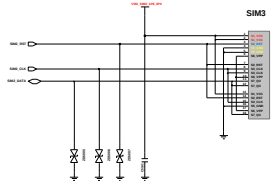
BATTERY CONNECTOR

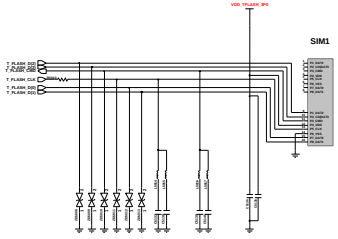


SIM & SD CARD (3IN3)



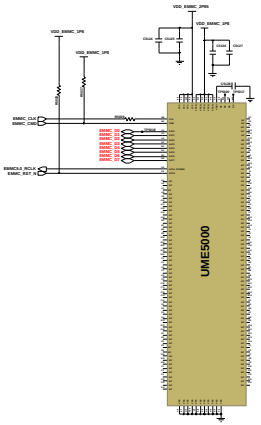


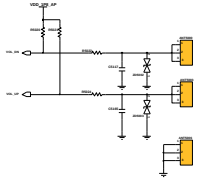




32GB eMMC 5.1

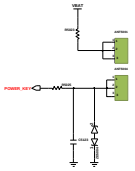
الزاكرة





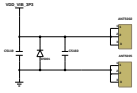
VOLUME KEY

مجسات مفاتيح الفوليم



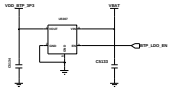
POWER KEY

مفتاح الباور



MOTOR

الهزاز



FPS PWR

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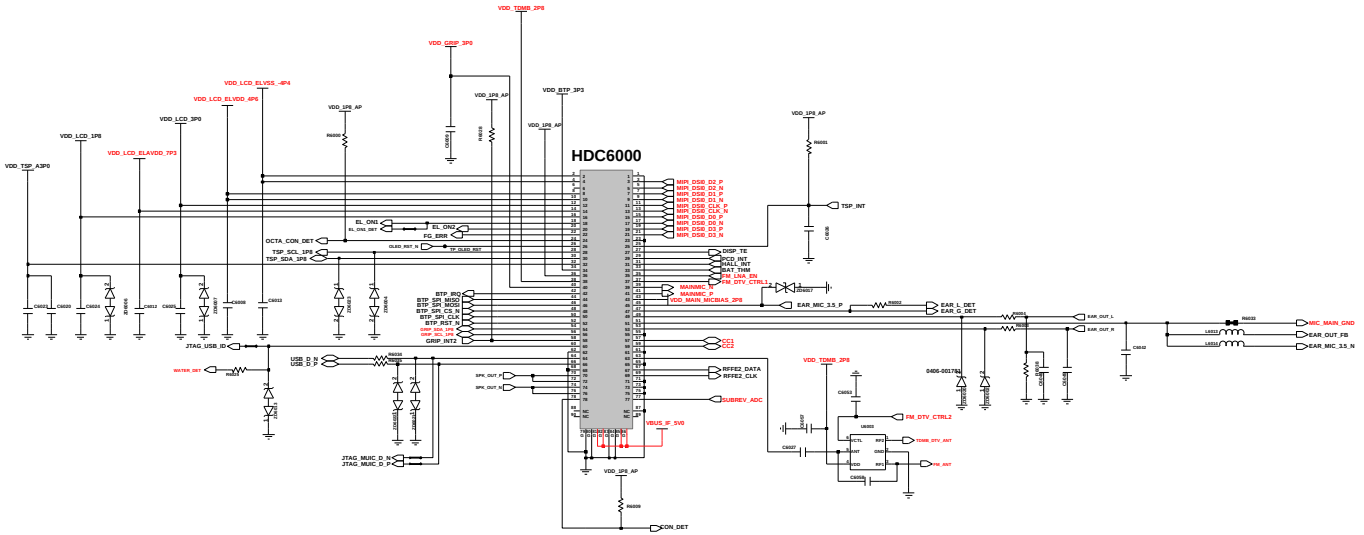
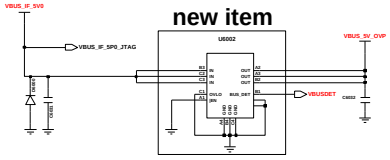
MAIN FPCB
6.38" HD+ DISPLAY



new item

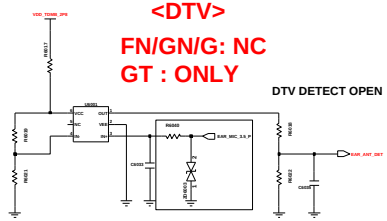


<DTV>

FN/GN/G: NC

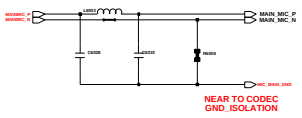
GT : ONLY

DTV DETECT OPEN



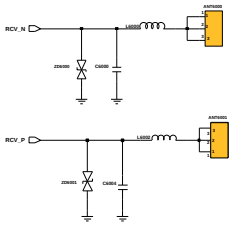
AUDIO

المايك الاساسى

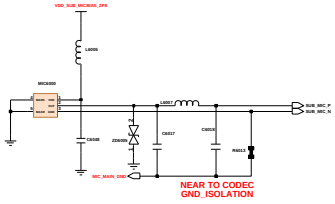


MAIN MIC

السماعه

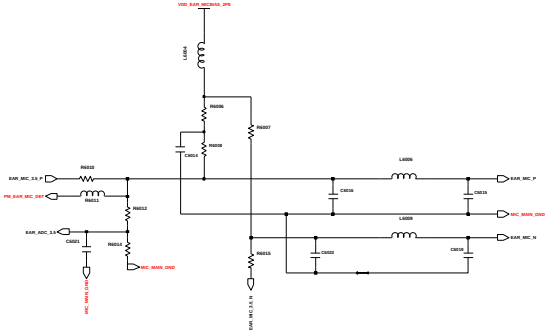


RCV CONTACT

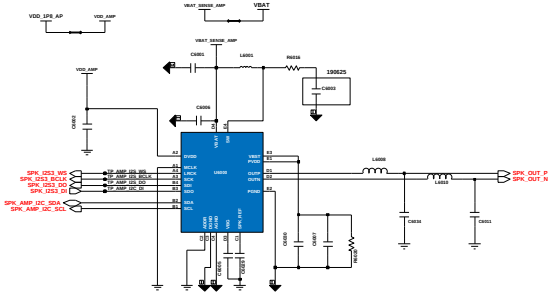


Sub MIC

سماعه&مايك الهاند فرى



Ear MIC



SPK AMP

SPEAKer AMPlifier

مكبر اشاره الجرس

Engineer:	AUDIO, SIM/SD, SHIELD CAN
Schem Rel:	
PBD CHK:	TITLE:
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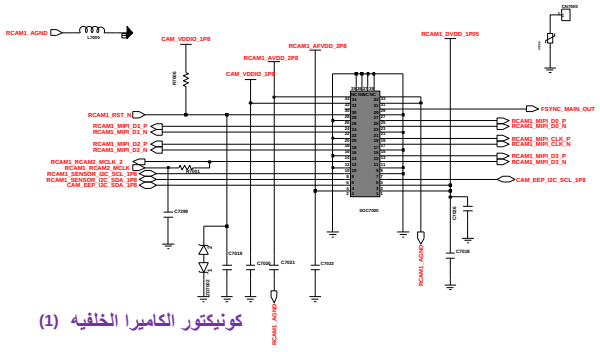
PROF. ANIBAL GARCIA

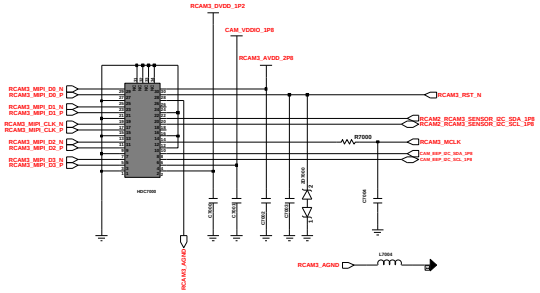
CAMERA_PART



كونيكتور الكاميرا الخلفيه (1)

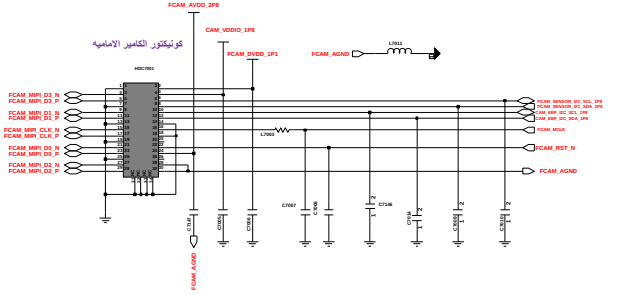
RCAM1_25M CAMERA(34PIN)_2X5

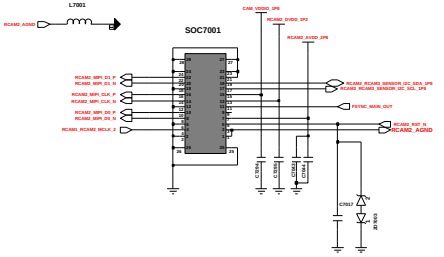
كونيكتور الكاميرا الخلفيه (3)



RCAM3_SUPER WIDE_8M CAMERA(30pin)_S5K4HA

FRONT_16M CAMERA(30PIN)

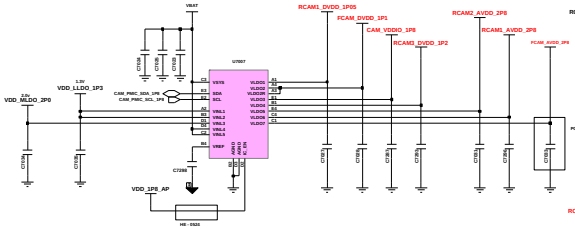




كونيكتور الكاميرا الخلفيه (2)

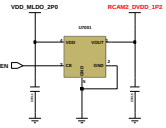
RCAM2_5M CAMERA(24PIN)_GC5035

ايسى باور الكاميرات

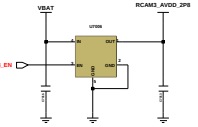


CAM PMIC

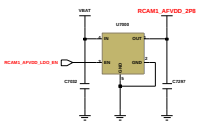
منظم جهد الكاميرا الخلفيه (2)



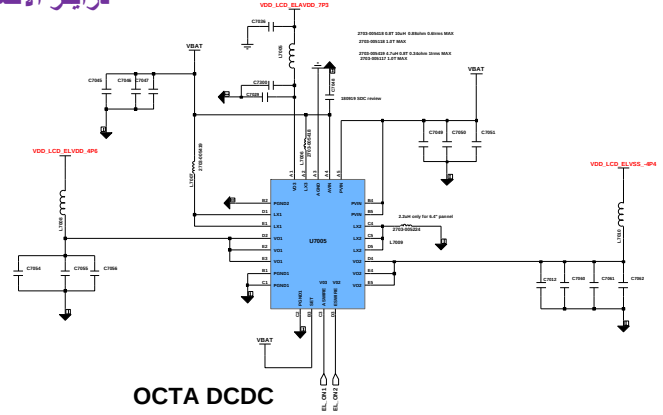
منظم جهد الكاميرا الخلفيه (3)



منظم جهد الكاميرا الخلفيه (1)

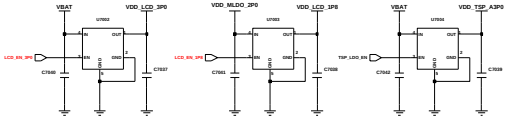


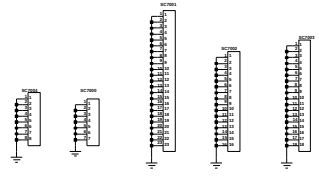
درايفر الاضاءة



OCTA DCDC

OCTA LDO





SHIELD CAN

BOSS HOLE

2D BARCODE

	FN (Global)	GN (SEA)	G (LA)	GT (LA DTV)				
R7002	O							
R7003		O						
R7004			O					
R7005				O				

FN(CIS,MEA,SWA) R7002
GN(SEA) R7003
G(LA) R7004
GT(LA DTV) R7005

Engineer:	
ENGR Sign:	
R&D CHK:	
DOC CTRL CHK:	
MFG ENGR CHK:	
QA CHK:	

CAMERA, DISPLAY

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